SEQUENCE LISTING

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<120> ACID-LABILE ISOTOPE-CODED EXTRACTANT (ALICE) AND ITS USE IN QUANTITATIVE MASS SPECTROMETRIC ANALYSIS OF PROTEIN MIXTURES

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<160> 16

<170> PatentIn version 3.1

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<211> 604
<212> PRT
<213> Bovine Serum Albumin

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Thr Tyr Ser Arg Gly Val Phe Arg Arg Asp Thr His Lys Ser Glu Ile
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35 40 45

Leu Ile Ala Phe Ser Gln Tyr Leu Gln Gln Cys Pro Phe Asp Glu His
50 55 60

Val Lys Leu Val Asn Glu Leu Thr Glu Phe Ala Lys Thr Cys Val Ala
65 70 75 80

Asp Glu Ser His Ala Gly Cys Glu Lys Ser Leu His Thr Leu Phe Gly
85 90 95

Asp Glu Leu Cys Lys Val Ala Ser Leu Arg Glu Thr Tyr Gly Asp Met
100 105 110

Ala Asp Cys Cys Glu Lys Gln Glu Pro Glu Arg Asn Glu Cys Phe Leu
115 120 125

Ser His Lys Asp Asp Ser Pro Asp Leu Pro Lys Leu Lys Pro Asp Pro
130 135 140

Asn Thr Leu Cys Asp Glu Phe Lys Ala Asp Glu Lys Lys Phe Trp Gly
145 150 155 160

Lys Tyr Leu Tyr Glu Ile Ala Arg Arg His Pro Tyr Phe Tyr Ala Pro
165 170 175

Glu Leu Leu Tyr Tyr Ala Asn Lys Tyr Asn Gly Val Phe Gln Glu Cys
180 185 190

Cys Gln Ala Glu Asp Lys Gly Ala Cys Leu Leu Pro Lys Ile Glu Thr
195 200 205

Met Arg Glu Lys Val Leu Thr Ser Ser Ala Arg Gln Arg Leu Arg Cys
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Ala Ser Ile Gln Lys Phe Gly Glu Arg Ala Leu Lys Ala Trp Ser Val
225 230 235 240

Ala Arg Leu Ser Gln Lys Phe Pro Lys Ala Glu Phe Val Glu Val Thr
245 250 255

Lys Leu Val Thr Asp Leu Thr Lys Val His Lys Glu Cys Cys His Gly
260 265 270

Asp Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Ala Lys Tyr Ile
275 280 285

Cys Lys Asn Gln Asp Thr Ile Ser Ser Lys Leu Lys Glu Cys Cys Asp
290 295 300

Lys Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Lys Asp
305 310 315 320

Ala Ile Pro Glu Asn Leu Pro Pro Leu Thr Ala Asp Phe Ala Glu Asp
325 330 335

Lys Val Cys Lys Asn Tyr Gln Glu Ala Lys Asp Ala Phe Leu Gly Ser
340 345 350

Phe Leu Tyr Glu Tyr Ser Arg Arg His Pro Glu Tyr Ala Val Ser Val
355 360 365

Leu Leu Arg Leu Ala Lys Glu Tyr Glu Ala Thr Leu Glu Glu Cys Cys
370 375 380

Ala Lys Asp Asp Pro His Ala Cys Tyr Ser Thr Val Phe Asp Lys Leu
385 390 395 400

Lys His Leu Val Asp Glu Pro Gln Asn Leu Ile Asp Gln Asn Cys Asp
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Gln Phe Glu Lys Leu Gly Glu Tyr Gly Phe Gln Asn Ala Leu Ile Val
420 425 430

Arg Tyr Thr Arg Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu
435 440 445

Val Ser Arg Ser Leu Gly Lys Val Gly Thr Arg Cys Cys Thr Gly Pro
450 455 460

Glu Ser Glu Arg Met Pro Cys Thr Glu Asp Tyr Leu Ser Ile Leu Asn
465 470 475 480

Arg Leu Cys Val His Glu Lys Thr Pro Val Ser Glu Lys Val Thr Lys
485 490 495

Cys Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu
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Thr Asp Glu Thr Tyr Val Pro Lys Ala Phe Asp Glu Lys Leu Phe Thr
515 520 525

Phe His Ala Asp Ile Cys Thr Leu Pro Asp Thr Glu Lys Gln Ile Lys
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Lys Gln Thr Ala Leu Val Glu Leu Leu Lys His Lys Pro Lys Ala Thr
545 550 555 560

Glu Glu Gln Leu Lys Thr Val Met Glu Asn Phe Val Ala Phe Val Asp
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Lys Cys Cys Ala Ala Asp Asp Lys Glu Ala Cys Phe Ala Val Glu Gly
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Ala Ser Val Asn Cys Ala Lys
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Phe Asp Ala Ser Val
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<212> PRT
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Gln Ala Val Cys Ser Gln Lys Asn
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<212> PRT
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Tyr Ser Thr Met Ser Ile Thr Asp Cys Arg Glu
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<210> 16
<211> 18
<212> PRT
<213> Peptide from trypsinogen

<400> 16

Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Ser Gly
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Lys Leu